Kerr: Embracing the Tools of Technology

Comprehensive restorative solutions from Kerr score highly among DPS evaluators

Under pressure. It’s the reality of the working environment when a dentist needs to fill a cavity quickly and efficiently. It’s also the reality of the material needed. When a filling is consistently under stress, the material needs to be strong with excellent marginal integrity. Faced with the everyday pressure to finish procedures quickly, dentists need a composite that’s up to the challenge.

If you are Kerr Corporation, you respond to the pressure by developing products to fit these needs—products such as Sofnec II, which uses proprietary filler technology and special rheological modifiers to produce a dramatic reaction to the sonic energy applied through the handpiece during placement. This reduces the viscosity of the material up to 84%—creating adaptation similar to a flowable—ensuring intimate adaptation between the composite and bonded surface. The filler system also enables excellent gloss, color-matching, wear resistance, and strength to make bulk filling even easier and more reliable.

Kerr believes that dentistry is a science—and an art. They also believe that being a successful dentist is something much more. It means mastering an ever-changing science, embracing the latest tools of advancing technology, and steering a growing business in a rapidly changing healthcare market. This is why for more than 125 years, dentists have increasingly turned to Kerr for advancing science, embracing the latest tools of technology, and steering a growing business in a rapidly changing healthcare market. This is why for more than 125 years, dentists have increasingly turned to Kerr for

**IDENTIFY PAIN POINTS, UNMET NEEDS, OR SHORTCOMINGS OF EXISTING PRODUCTS**

1. Propose product idea/concept
2. Research/identify technologies that could potentially provide the solution to address the unmet need or shortcoming
3. Conduct feasibility study
4. Design the product
5. Verify that the designed product meets the requirements/specifications through in-vitro bench testing
6. Validate that the designed product meets the end user needs through in-vivo clinical evaluation
7. Commercialize the product

**Kerr Restoratives offers comprehensive solutions for virtually all direct and indirect procedures. From using the exact material clinicians prefer to designing ground-breaking solutions, the company dedicates its time to creating the utmost value in its products.**

“We constantly strive to develop innovative products or improve existing products to adapt to clinicians’ changing needs and provide clinicians with restorative products that will simplify the restorative procedures, and make the clinical outcome more predictable and reliable,” said Qian.

**MAXCEM ELITE CHROMA**

Maxcem Elite Chroma is the first self-etch/self-adhesive resin cement that has a Color Cleanup Indicator. It dispenses a pretty shade of pink that, as it fades, lets you know when it’s time to remove the excess cement. Once cured, the cement fades to the shade color. How smart is that?

As the color changes, you’ll know when the cement has reached the proper gel point for easy removal. As the cement begins to transition to the cement shade with the faintest hue of pink, you’ve reached the optimal time to remove the excess cement. With other cements, you can’t visually tell if you’ve reached the perfect cure point (did someone forget to start the stopwatch?) or you might even “over” tack cure, resulting in a difficult cleanup process. That means extra time wasted in cleaning up excess cement, especially if you have to pull out the ultrasonic scaler to get it off.

In addition to the Color Cleanup Indicator, Maxcem Elite Chroma also features One-Peel cleanup, which means that if you follow its cues and remove it at the right time, it will come off in one piece—no poking and peeling off chunks of cement, or fishing them out of your patients’ cheeks.

Add to these features its ability to form a strong and durable bond with a wide variety of dental substrates, compatibility with all indirect restorations, the automin delivery system, and easy no-refrigeration storage, and there really isn’t anything they haven’t covered with Maxcem Elite Chroma.

**INNOVATION IN THE OPERATORY**

Watch this video to find out why the team at Kerr believes that being a successful dentist is something much more.

**EVALUATION SNAPSHOT**

Maxcem Elite Chroma

**“We have to get numerous products out just to seat the restoration. A lot of prep work went into the cementation. With Maxcem Elite [Chroma], it’s easy on the patient as far as cleaning up the excess cement, and it’s easy on the doctor or assistant,” said one dental assistant during the DPS evaluation of Maxcem Elite Chroma. Ease of cleanup was the highest-rated attribute, and many evaluators said it was their favorite feature, including one dentist who said, “The patient doesn’t have to experience a lot of scaling and scraping around the margins when cleaning off a crown or bridge.”**

**KEY TAKEAWAYS**

- Color Cleanup Indicator provides reassurance of a full cure
- Tack-curing accelerates the color change
- Time-saver for dental assistant/hygienist, who said, “The patient doesn’t have to experience a difficult cleanup process. That means extra time wasted in cleaning off excess cement, especially if you have to pull out the ultrasonic scaler to get it off.”

**FROM THE EVALUATOR:**

**Lourdes Albancos, DMD**

Corona, NY

“I was looking for a product that would help me differentiate between when it is time to clean it and when it is ready. [Maxcem Elite Chroma’s] chromatic ability helped me to know when it was the appropriate time for cleaning, which resulted in a less messy area. The easy dispensing and the change of color while setting made the chairside experience innovative and unique.”
Optibond XTR combines Kerr’s SPFDM technology, ternary solvent system, filled adhesive, and optimized formulation for excellent adhesion in both direct and indirect procedures. Independent testing has demonstrated superior enamel and dentin bond strength.

Optibond XTR is a true universal adhesive that can be used with both direct and indirect restorations, eliminating the need for multiple bonding agents.

Demi Family of Curing Lights

The Kerr Demi Ultra LED ultracapacitor curing light system is the first curing light to free dentists from both batteries and cords. Powered by the revolutionary U-40 ultracapacitor, Demi Ultra can be re-energized to full power in just 40 seconds.

Because of PLS technology, the Demi Plus intermittently shifts output intensity from an impressive base of 1100 mW/cm² to a peak of 1330 mW/cm². This enables the Demi Plus to deliver a 5-second cure for A3 or lighter shades.

“The Demi Plus LED curing light is a lightweight, versatile light with a longer tip that easily reaches the posterior teeth. We have this light in all our operatories. You cannot go wrong with it!”

— Randy G. Rasta, DDS, MAGD — Rochester, NY

SonicFill 2

Building on the award-winning performance of its predecessor, SonicFill 2 transforms tedious, repetitive posterior restorations into easy and reliable restorations.

SonicFill 2 incorporates a filler system that delivers excellent gloss, color matching, wear resistance, and strength. Along with its excellent adaptation, low shrinkage stress, and high depth of cure, SonicFill 2 is indicated for direct placement in all cavity classes in anterior and posterior teeth, and can be used for a variety of other indications.

SingleFill placement: filling cavities up to 5 mm in depth in a single increment, with a single material—and no liner or capping layer.

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Temp-Bond

Temp-Bond is a temporary cement for trial cementing restorations or cementing temporary crowns and bridges. Temp-Bond and Temp-Bond NE are available in automatic syringes, tube delivery, and Unidose. Temp-Bond withstands mastication, seals the temporary restoration, and prevents seepage, yet affords easy removal when desired. Temp-Bond NE is a non-eugenol temporary dental cement that will not inhibit the polymerization of permanent resin cements and acrylic temporaries. Resin-based Temp-Bond Clear with Triclosan is one of the most translucent provisional cements in the market, ensuring superior esthetics.

ZONEfree

ZONEfree from Pentron is the first translucent zinc oxide, non-eugenol temporary dental cement available to dental offices. Ideal for temporary cementing of crowns, bridges, veneers, implants, and all provisional needs, it uses prismatic color blending nano-fillers to blend color with adjacent surfaces.

“ZONEfree’s chameleon-like esthetic quality seems to blend seamlessly with opposing and adjacent dentition. This is a non-negotiable quality that the esthetic-conscious public demands and expects,” according to Dr. Frank Gluscheksi.

“Most materials from a single manufacturer are developed on a platform. For example, Kerr’s composites go back to Herculite, which was one of the first hybrid composites on the market. It was designed, at that time, to be used as an anterior and posterior material. From that initial platform, Kerr has developed other composites, including SonicFill bulk fill for posterior restorations and Herculite Ultra, which can be layered in the dentin and enamel fashion in the anterior. They’re built on the same chemistry. And staying with this Kerr example, you would use their Optibond XTR bonding agent because it is designed to be compatible with both composites,” Dr. Lowe said.

When it comes to stocking the operatory, an integrated system of restorative products can serve to streamline your workflow and improve the efficiency and effectiveness of your practice.